

**MASSACHUSETTS DEPARTMENT OF PUBLIC HEALTH  
RADIATION CONTROL PROGRAM  
CERTIFICATE - IN VITRO TESTING  
WITH RADIOACTIVE MATERIAL UNDER GENERAL LICENSE**

105CMR Section 120.122 (I) (1) of Radiation Control Regulations establishes a general license authorizing physicians, veterinarians, clinical laboratories, and hospitals to possess certain small quantities of radioactive material for in vitro clinical or laboratory tests not involving the internal or external administration of the radioactive material or the radiation therefrom to human beings or animals. Possession of radioactive material under Section 120.122 (I) (1) is not authorized until the physician, veterinarian, clinical laboratory, or hospital has filed form MRCP 120.100-2 and received from the Department a validated copy of form MRCP 120.100-2 with certification number.

INSTRUCTIONS

Submit this form [in duplicate] to The Radiation Control Program, 90 Washington Street, 2nd Floor, Dorchester, MA 02121. A certification number will be assigned and a validated copy of form MRCP 120.100-2 will be returned.

1. Please print or type within the lines, below, the name and address (including zip code) of the physician, veterinarian, clinical laboratory, or hospital for whom or for which this form is filed.

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2. I hereby apply for a certification pursuant to section 120.122 (I) (1) of Part C for use of radioactive material for (Please check one):

- a. Myself, a duly licensed physician [authorized to dispense drugs] in the practice of medicine.
- b. The above-named clinical laboratory.
- c. The above-named hospital.
- d. Myself, a duly licensed veterinarian.

3. To be completed by the Department.

Certificate Number: \_\_\_\_\_  
(Leave this space blank. Number to be assigned by Department.)

4. If place of use is different from address in Item 1, please give complete address:

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5. Certification - I hereby certify that:

- a. All information in this certification is true and complete.
- b. Appropriate radiation measuring instruments are available to carry out the tests for which radioactive material will be used under the general license of section 120.122 (I) (1) of Part C. The tests will be performed only by personnel competent in the use of the instruments and in the handling of the radioactive material.
- c. I understand that Department regulations require that any change in the information furnished on this certificate be reported to the Department, within 30 days from the effective date of such change.
- d. I have read and understand the provisions of 120.122 (I) (1) of Part C; and I understand that compliance with those provisions is required as to all radioactive material which is received, acquired, possessed, used, or transferred under the general license for which this Certificate is filed with the Department.

Date \_\_\_\_\_ By \_\_\_\_\_  
(Signature of person filing form)

\_\_\_\_\_  
(Printed name and title of position of person filing form)

CONDITIONS AND LIMITATIONS OF GENERAL LICENSE SECTION 120.122 (I)

Section 120.122 (I): General License for Use of Radioactive Material for Certain In Vitro Clinical or Laboratory Testing.

(1) A general license is hereby issued to any physician, veterinarian, clinical laboratory or hospital to receive, acquire, possess, transfer or use, for any of the following stated tests, in accordance with the provisions of Subparagraphs 120.122 (I) (2), (3), (4), (5), and (6), the following radioactive materials in prepackaged units for use in in vitro clinical or laboratory tests not involving internal or external administration of radioactive material, or the radiation therefrom, to human beings or animals:

- (a) Carbon-14, in units not exceeding 10 microcuries (370 kBq) each.
- (b) Cobalt-57, in units not exceeding 10 microcuries (370 kBq) each.
- (c) Hydrogen-3 (tritium), in units not exceeding 50 microcuries (1.85 MBq) each.
- (d) Iodine-125, in units not exceeding 10 microcuries (370 kBq) each.
- (e) Mock Iodine-125 reference or calibration sources, in units not exceeding 0.05 microcurie (1.85 kBq) of iodine-129 and 0.005 microcurie (1.85 Bq) of americium-241 each.
- (f) Iodine-131, in units not exceeding 10 microcuries (370 kBq) each.
- (g) Iron-59, in units not exceeding 20 microcuries (740 kBq) each.
- (h) Selenium-75, in units not exceeding 10 microcuries (370 kBq) each.

(2) No person shall receive, acquire, possess, use or transfer radioactive material pursuant to the general license established by 105 CMR 120.122 (I) (1) until he has filed form MRCP 120.100-2, "Certificate - In Vitro Testing with Radioactive Material Under General License", with the Agency and received from the Agency a validated copy of form MRCP 120.100-2 with certification number assigned. The physician, veterinarian, clinical laboratory or hospital shall furnish on form MRCP 120.100-2 the following information and such other information as may be required by that form:

- (a) Name and address of the physician, veterinarian, clinical laboratory or hospital;
- (b) The location of use; and,

(c) A statement that the physician, veterinarian, clinical laboratory or hospital has appropriate radiation measuring instruments to carry out in vitro clinical or laboratory tests with radioactive material as authorized under the general license in 105 CMR 120.122 (I) (1) and that such tests will be performed only by personnel competent in the use of such instruments and in the handling of the radioactive material.

(3) A person who receives, acquires, possesses or uses radioactive material pursuant to the general license established by 105 CMR 120.122 (I) (1) shall comply with the following:

(a) The general licensee shall not possess at any one time, pursuant to the general license in 105 CMR 120.122 (I) (1), at any one location of storage or use, a total amount of iodine-125, iodine-131, selenium-75, iron-59, and/or cobalt-57 in excess of 200 microcuries (7.4 MBq).

(b) The general licensee shall store the radioactive material, until used, in the original shipping container or in a container providing equivalent radiation protection.

(c) The general licensee shall use the radioactive material only for the uses authorized by 105 CMR 120.122 (I) (1)

(d) The general licensee shall not transfer the radioactive material to a person who is not authorized to receive it pursuant to a license issued by the Agency, the U.S. Nuclear Regulatory Commission, any Agreement State or Licensing State, nor transfer the radioactive material in any manner other than in the unopened, labeled shipping container as received from the supplier.

(e) The general licensee shall dispose of the Mock Iodine-125 reference or calibration sources described in 105 CMR 120.122 (I) (1) (h) as required by 105 CMR 120.241 of 105 CMR 120.000.

(4) The general licensee shall not receive, acquire, possess, or use radioactive material pursuant to 105 CMR 120.122 (I) (1):

(a) Except as prepackaged units which are labeled in accordance with the provisions of an applicable specific license issued pursuant to 105 CMR 120.128 (H) or in accordance with the provisions of a specific license issued by the U.S. Nuclear Regulatory Commission, any Agreement State or Licensing State which authorizes the manufacture and distribution of iodine-125, iodine-131, carbon-14, hydrogen-3 (tritium), iron-59, selenium-75, cobalt-57, or Mock Iodine-125 to persons generally licensed under 105 CMR 120.122 (I) or its equivalent; and,

(b) unless one of the following statements, as appropriate, or a substantially similar statement which contains the information called for in one of the following statements, appears on a label affixed to each prepackaged unit or appears in a leaflet or brochure which accompanies the package:

1. This radioactive material shall be received, acquired, possessed, and used only by physicians, veterinarians, clinical laboratories or hospitals and only for in vitro clinical or laboratory tests not involving internal or external administration of the material, or the radiation therefrom, to human beings or animals. Its receipt, acquisition, possession, use, and transfer are subject to the regulations and a general license of the U.S. Nuclear Regulatory Commission or of a State with which the Commission has entered into an agreement for the exercise of regulatory authority.

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Name of manufacturer

2. This radioactive material shall be received, acquired, possessed, and used only by physicians, veterinarians, clinical laboratories or hospitals and only for in vitro clinical or laboratory tests not involving internal or external administration of the material, or the radiation therefrom, to human beings or animals. Its receipt, acquisition, possession, use and transfer are subject to the regulations and a general license of a Licensing State.

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Name of manufacturer

(5) The physician, veterinarian, clinical laboratory or hospital possessing or using radioactive material under the

general license of 105 CMR 120.122 (I) (1) shall report in writing to the Agency, any changes in the information furnished by him in the "Certificate - In Vitro Testing with Radioactive Material Under General License", form MRCP 120.100-2. The report shall be furnished within 30 days after the effective date of such change.

(6) Any person using radioactive material pursuant to the general license of 105 CMR 120.122 (I) (1) is exempt from the requirements of 105 CMR 120.200 and 120.750 of 105 CMR 120.000 with respect to radioactive material covered by that general license, except that such persons using the Mock Iodine-125 described in 105 CMR 120.122 (I) (1) (h) shall comply with the provisions of 105 CMR 120.241, 120.262 and 120.263 of 105 CMR 120.000.